Price One Shilling.

No. 36. N. SER.] APRIL, 1858. [No. CXCIV.

THE PHYTOLOGIST.

A BOTANICAL JOURNAL.

Ὡς ἐμεγαλύνθη τὰ ἔργα σου, Κύριε!—πάντα ἐν σοφίᾳ ἐποίησας.

ΨΑΛΜ. ργ'. 24.

Benedicite universa germinantia in terra Domino; laudate et superexaltate EUM in secula.—*Hymn. iii Pueror. v.* 76.

LONDON:

WILLIAM PAMPLIN, 45, FRITH STREET, SOHO.

J. E. TAYLOR, PRINTER, LITTLE QUEEN STREET, LINCOLN'S INN FIELDS.

CONTENTS.

	Page
On the Botany of the Clent Hills	385
Transmutation of Species	401
Why Ferns should not be attacked by Insects	402
Jungermannia obtusifolia in Scotland	403
Thirsk Natural History Society	404
Reviews:—	
Trentham and its Gardens	406
Sowerby's Grasses of Great Britain	408
The Atlantis	410
Botanical Notes, Notices, and Queries	412
Communications received	416
Books received for Review	416

Now publishing in Parts, price 1s. 6d. each, THE

ILLUSTRATED HANDBOOK OF THE BRITISH PLANTS,

BY ALEXANDER IRVINE, F.B.S.,

Editor of the 'Phytologist' and Author of 'A Botanical Tour in the Highlands of Perthshire.'

No. 1. An Introduction to Botany.
No. 2. The Acotyledonous and Monocotyledonous Orders.
No. 3. The Dicotyledonous Orders.
No. 4. The Dicotyledonous Orders, continued.

☞ The last Part, containing the remaining Dicotyledonous Orders, with a Glossarial Index to the Work, will be ready shortly.

THOMAS NELSON and SONS, Paternoster Row.

COLLECTIONS OF BOTANICAL PLATES.

A VERY EXTENSIVE SERIES OF COLOURED PLATES, consisting of several thousand Plants, from the various Standard Illustrated Works, such as 'Botanical Magazine,' 'Botanical Register,' and others, at the rate of One Penny each (NO DUPLICATES), at which price *not less* than 250 will be sold, but 2000 or 2500 may be had.

Samples sent to any address for four postage-stamps.

Fifth Edition, Price 4d.

THE LONDON CATALOGUE OF BRITISH PLANTS,

Published under the Direction of the Botanical Society of London, adapted for marking Desiderata in Exchange of Specimens, etc.

W. PAMPLIN, 45, Frith Street, Soho Square.

SALE OF DRIED PLANTS.

MR. J. C. STEVENS will Sell by Auction, at his Great Room, 38, King Street, Covent Garden, on Wednesday, April 14th, a Valuable and Extensive Collection of Specimens of DRIED PLANTS from all parts of the world, which belonged to the late WILLIAM GOURLIE, Esq., of Glasgow. They are chiefly in bundles, and loose, but many are already attached to white paper, the size and quality of that used by Sir W. J. Hooker, at Kew. Among these will be found many from Northern India, New Zealand, South America (collected by Spruce, Gardner, and others), and North America. There are also many packets of British specimens, principally from Scotland. Catalogues are now ready.

In the Press,

NEW WORK ON CEYLON PLANTS.

ENUMERATIO PLANTARUM ZEYLANIÆ;

AN ENUMERATION OF CEYLON PLANTS,

WITH DESCRIPTIONS OF THE NEW AND LITTLE-KNOWN GENERA AND SPECIES, OBSERVATIONS ON THEIR HABITATS, USES, NATIVE NAMES, ETC.

BY G. H. K. THWAITES, F.L.S.,

Superintendent of the Royal Botanic Garden, Peradenia, Ceylon;

Assisted in the identification of the Species

BY J. D. HOOKER, M.D., F.R.S., L.S. & G.S., etc.

This Work will contain a Complete Enumeration of the Plants known to inhabit Ceylon, the richest and most important eastern tropical possession of Great Britain, and a country which has, from the Greek and Roman periods to the present, sustained its reputation as the most celebrated in the world for its Spices, Woods, Drugs, and other Vegetable Productions.

For many years, too, Ceylon has been the site of a Colonial Botanic Garden, which has contributed largely to the material prosperity of the Island, and which, under Mr. Thwaites's able superintendence, has acquired a deservedly great celebrity.

Besides fulfilling the duties of Superintendent of the Gardens, Mr. Thwaites has, under the enlightened patronage of the Governor and Legislature of Ceylon, formed a Museum of Economic Botany, on the model of that at the Royal Gardens of Kew, and established a Library and an Herbarium of Named Plants, for reference and for scientific purposes. Hitherto, however, since the celebrated 'Flora Zeylanica' of Linnæus, which appeared upwards of a century ago, no account of the Plants of Ceylon has been published, and it is with the intention of supplying this desideratum, and through it developing still further the vegetable resources of the Island, both in a scientific and economic point of view, that the work here announced has been undertaken.

DRIED FERNS.

FILICES EXSICCATÆ;

A COLLECTION OF DRIED FERNS, BY VARIOUS COLLECTORS, AND FROM MOST PARTS OF THE WORLD, PARTLY NAMED.

They are all original, wild Specimens, each accompanied by a Ticket, with Habitat, Collector's name (where known), etc., serving to illustrate the Genera and Species of Ferns. Among others will be found those collected by the late Mr. W. STRANGE, Australia; Mr. T. S. RALPH, New Zealand; Mr. HUGH CUMING, Philippine Islands, etc.; Mr. FRED. MASON, Madeira; Mr. WATSON, United States of America; Dr. MILLER, in various parts of the Pacific; together with others from Java, Ceylon, St. Helena, Brazil, and elsewhere.

☞ The above Collection has no mere fronds or fragments of fronds; nor are there any garden or cultivated plants amongst them—but the whole of them are genuine, original, wild specimens from the various localities, as indicated upon the tickets; neither are there any duplicates.

W. PAMPLIN, 45, FRITH STREET, SOHO SQUARE.

THIS DAY IS PUBLISHED,

In one large folio Volume, with two hundred Plates, in stout extra cloth binding,

PRICE TEN GUINEAS,

ILLUSTRATIONS

OF THE GENUS

CAREX.

BY

FRANCIS BOOTT, M.D.,

TREASURER AND VICE-PRESIDENT OF THE LINNÆAN SOCIETY.

LONDON:

W. PAMPLIN, 45, FRITH STREET, SOHO SQUARE.